

1/26

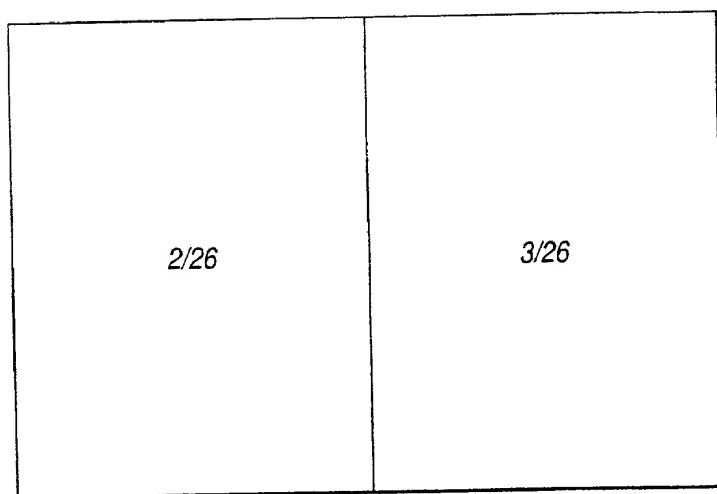


Fig. 1

2/26

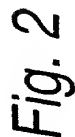
| | A | S1 |
|----------|------------|-------------|
| Bclw | MATPASTPDT | RALVADDFVGY |
| Bclw-Rox | MATPASTPDT | RALVADDFVGY |
| Bclw | DEFETRFRRT | FSDLAAQLHV |
| Bclw-Rox | DEFETRFRRT | FSDLAAQLHV |
| Bclw | VFGAALCAES | VNKEMEPLVG |
| Bclw-Rox | VFGAALCAES | VNKEMEPLVG |
| Bclw | YGDGALEEAR | RLREGNWASV |
| Bclw-Rox | ARVREMEEEA | EKLKELQNEV |
| Bclw-Rox | IYVGNVDYGA | TAELEAHFH |
| Bclw-Rox | ESVRTSLALD | ESLFRGRQIK |
| Bclw-Rox | NSSRSRFYSG | FNSRPRGRIY |

Fig. 1 (i)

3/26

| | | | |
|------------|------------|------------|-----|
| KLRQKGYVCG | AGPGEGPAAD | PLHQAMRAAG | 50 |
| KLRQKGYVCG | AGPGEGPAAD | PLHQAMRAAG | 50 |
| S2 | | | |
| TPGSAQQRFT | QVDELFFQGG | PNWGRLVAFF | 100 |
| TPGSAQQRFT | QVDELFFQGG | PNWGRLVAFF | 100 |
| E | | S3 | |
| QVQDWMVAYL | ETRLADWIHS | SGGWAEFTAL | 150 |
| QVQDWMVAYL | ETRLADWIHS | SGGWELEAIK | 150 |
| ▲ | | | |
| RTVLTGAVAL | GALVTVGAFF | ASK* | 193 |
| EKQMNMSPPP | GNAGPVIMSL | EEKMEADARS | 200 |
| GCGSVNRVTI | LCDKFSGHPK | GFAYIEFSDK | 250 |
| VIPKRTNRPG | ISTTDRGFPR | SRYRARTTNY | 300 |
| RGRARATSWY | SPY* | | 333 |

Fig. 1 (ii)



5/26

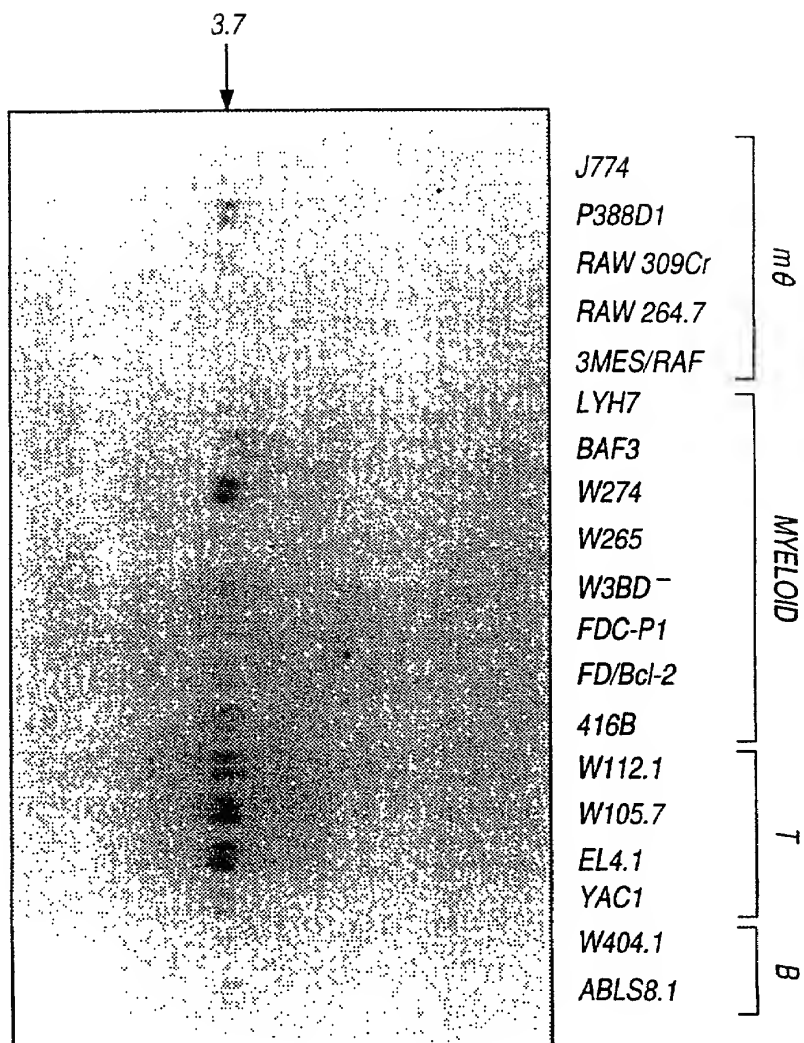
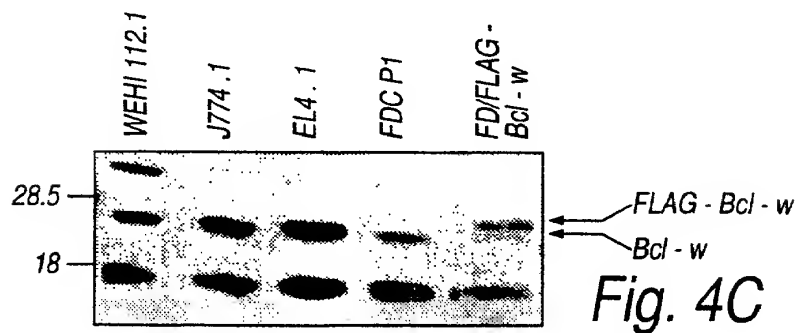
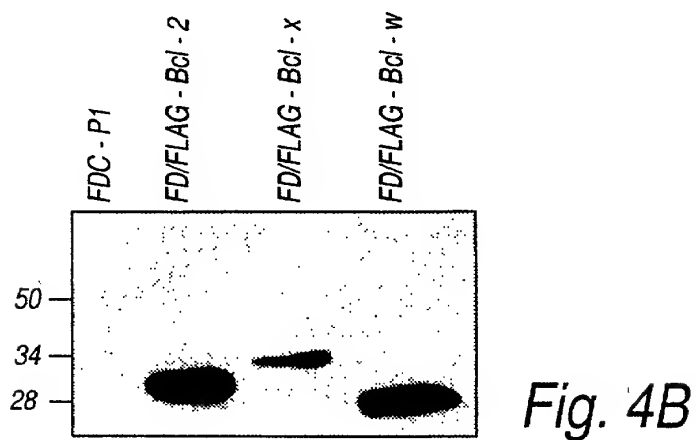
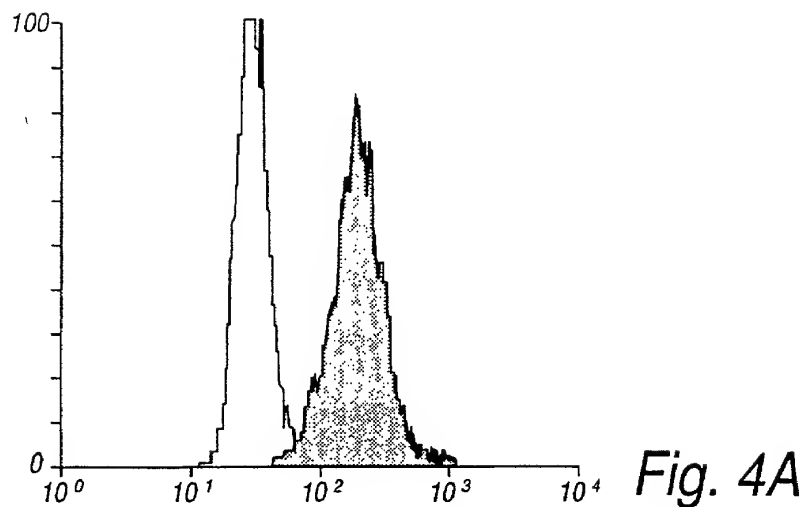


Fig. 3

6/26



7/26

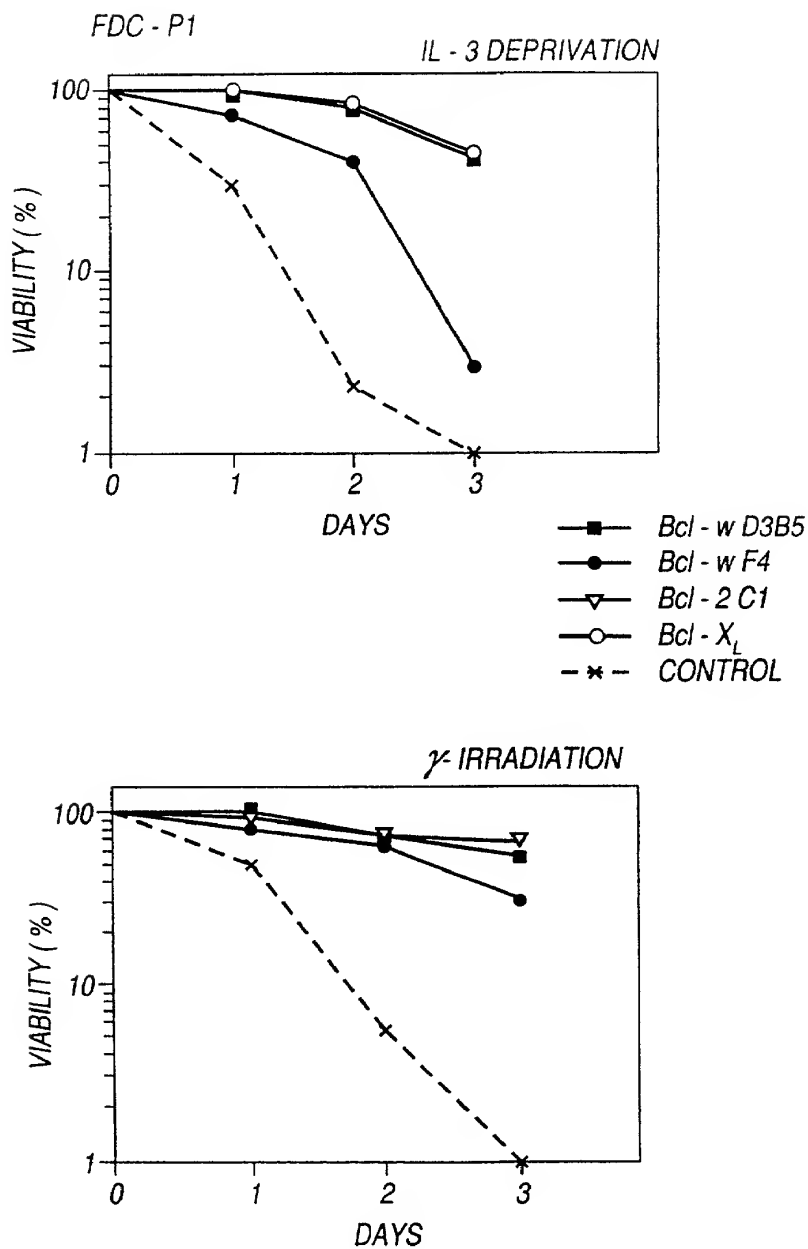


Fig. 5A

8/26

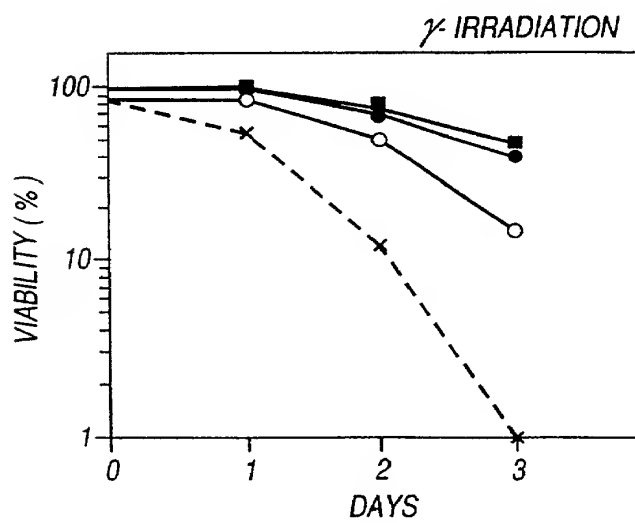
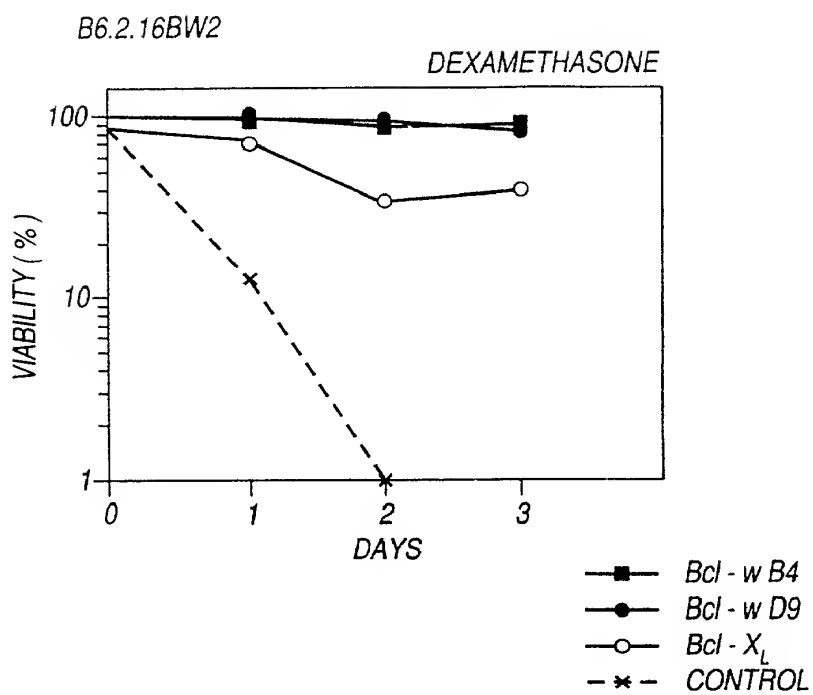


Fig. 5B

9/26

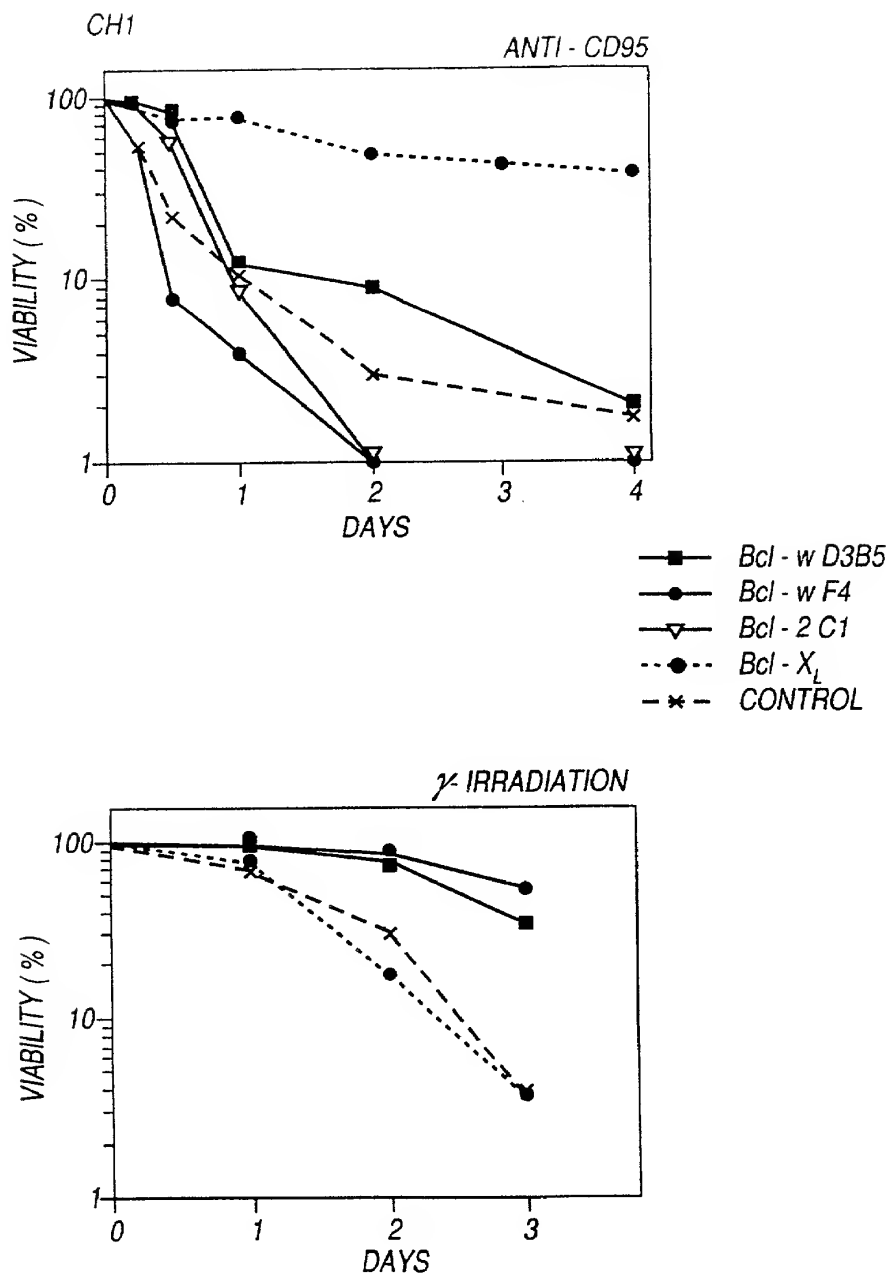


































Fig. 5C

10/26

| | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|
| <i>Sftp1</i> |  |  |  |  |  |  |  |  |
| <i>Tcra</i> |  |  |  |  |  |  |  |  |
| <i>Bclw</i> |  |  |  |  |  |  |  |  |
| <i>Gja3</i> |  |  |  |  |  |  |  |  |
| | 59 | 62 | 3 | 8 | 0 | 1 | 1 | 0 |

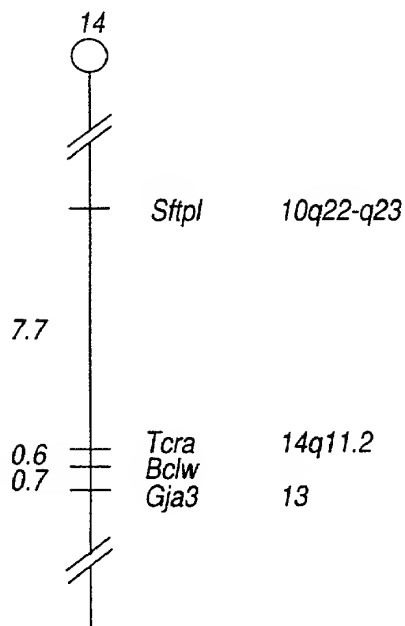


Fig. 6

- 11/26



Fig. 7A



Fig. 7B

- 12/26

| | |
|-------|-------|
| 13/26 | 14/26 |
| 15/26 | 16/26 |

Fig. 8

13/26

S1

| | | | |
|-------------------|------------|---------------|------------|
| Bc12 | MAHAGRTGYD | NREIVMKYIH | YKLSQRGYEW |
| Bc1x _L |MSQS | NRELVVDFLS | YKLSQKGYSW |
| Bc1w | .MATPASAPD | TRALVADFVG | YKLRQKGYVC |
| Ced9 | | D IEGFVVVDYFT | HRIRQNGMEW |

Bak

MASG

Bax

| | | | |
|-------------------|------------|------------|------------|
| Bc12 | ASRDPVARTS | PLQTPAAPGA | AAGPAL.... |
| Bc1x _L | PSWH.LADSP | AVNGATGHSS | SLDARE.... |
| Bc1w | | | |
| Ced9 | | | |

| | | | |
|-----|------------|------------|------------|
| Bak | FRSYVFYRHQ | QEQAEGVAA | PADPEMVTLP |
| Bax |ALLQG | FIQDRAGRMG | GEAPELALDP |
| Bik | | | |

S2

| | | | |
|-------------------|-----------|------------|------------|
| Bc12 | MSRQLHLTP | FTARGREATV | VEELERDG.V |
| Bc1x _L | LTSQLHITP | GTAYQSEEQV | VNELERDG.V |
| Bc1w | LAAQLHVTP | GSAQQRETQV | SDELFQGG.P |
| cED9 | FCEQLLAVP | RISFSLYQDV | VRTVGNAQTD |

Fig. 8 (i)

14/26

| | | | |
|-------------|------------|------------|----|
| DAGDVGAAPP | GAAPAPGIFS | SQPGHTPHTA | 60 |
| SQFSDVEENR | TEAPEGTESE | METPSAINGN | 54 |
| GAGPGE..... | | | 35 |
| | | | 99 |

| | | | |
|--------------------------------------|-------------------------|------------|----|
| QGP G PPR Q EC | GEPALPSASE | EQVAQDTEEV | 34 |
| MDGS G E Q PR | GGGPTS S EQI | MKTG..... | 23 |

| | | | |
|------------|-----------------------|-----|-----|
| | BH3 | NH1 | |
| | ▼ | ▼ | |
| ...SPVPPVV | HLTLRQAGDDFSRRYRRDFAE | | 113 |
| ...VIPMAAV | KQALREAGDEFELRYRRAFSD | | 107 |
| ...GPAADPL | HQAMRAAGDEFETRFRRTFSD | | 63 |
| | HEMMRVMGTIFEKKHAENFET | | 132 |

* *

| | | |
|------------|-----------------------|----|
| LQPSSTMGQV | GRQLAIIGDDINRRYDSEFOT | 95 |
| VPQDASTKKL | SECLKRIGDELDS..NMELQR | 78 |
| | LACIGDEMD | |
| | △ | △ |

BH1

| | | | | | |
|------------|---|------------|------------|-----------|-----|
| ... | * | NWGRIV | AFFEEGG..V | MCVESVNRE | 165 |
| ... | | NWGRIV | AFESFGG..A | LCVESVDKE | 158 |
| ... | | NWGRIV | AFEVEGA..A | LCAESVNKE | 114 |
| QCPMSYGRLI | | GLISEGGFVA | AKMMESV..E | | 190 |

Fig. 8 (ii)

15/26

| | | | |
|-------------------|------------|-------------|-------------|
| Bak | MLQHLLQPTA | ENAYEYFTKI | ATSLFESG. I |
| Bax | MIAAVD..T | DSPREVEFRV | AADMESDGNF |
| | | △ | △ |
| | | | |
| | | | S3 |
| | ▼ | ▼ | * |
| Bc12 | MSPLVDNIAL | WMTEYLNHRH. | LHTWIQDNGG |
| Bc1x _L | MQVLVSRIAA | WMATYLNDH. | LEPWIQENGG |
| Bc1w | MEPLVGQVQE | WMVAYLETR. | LADWIHSSGG |
| Ced9 | LQGQVRNLFV | YTSLFIKTRI | RNNWKEHNRS |
| | | | |
| Bak | LTGFLGQVTR | FVVDEMLHHC | IARWIAQRGG |
| Bax | VPELLRTEMG | WTLDFLRERL | LG.WIQDQGG |
| | | △ | |
| | | | |
| | | | ~~~~~ |
| Bc12 | DFSWLSLCTL | LSLAL.VGAC | ITLGAYLGHK |
| Bc1x _L | RKGQERFNRW | FLTGMTVAGV | VLLGSLFSRK |
| Bc1w | EGNWASVRTV | LTGAVALGAL | VTVGAFFASK |
| | | | |
| Bak |GP | ILNVLVVLGV | VLLGQFVVR |
| Bax |TPT | WQTVTIFVAG | VLTA SLTIWK |

Fig. 8 (iii)

SUBSTITUTE SHEET (RULE 26)

16/26

| | | | |
|------------|------------|-------------|-----|
|NWGRVV | ALLGFGY..R | .LALHVVYQHG | 146 |
|NWGRVV | ALFYFAS..K | .LVLKALCTK | 128 |
| | △ | | |
| BH2 | | | |
| WDAFVELYG. | ...PSMRPLF | | 210 |
| WDTFVELYG. | ...NNAAAES | | 203 |
| WAEETALYGD | GALEEARRLR | | 163 |
| WDDFMTL.G. | | | 218 |
| WVAALNLGN. | | | 185 |
| WDGLLSYFG. | | | 166 |
| | | | 239 |
| | | | 233 |
| | | | 193 |
| FFKS | | | 211 |
| KMG | | | 192 |

Fig. 8 (iv)

SUBSTITUTE SHEET (RULE 26)

- 17/26

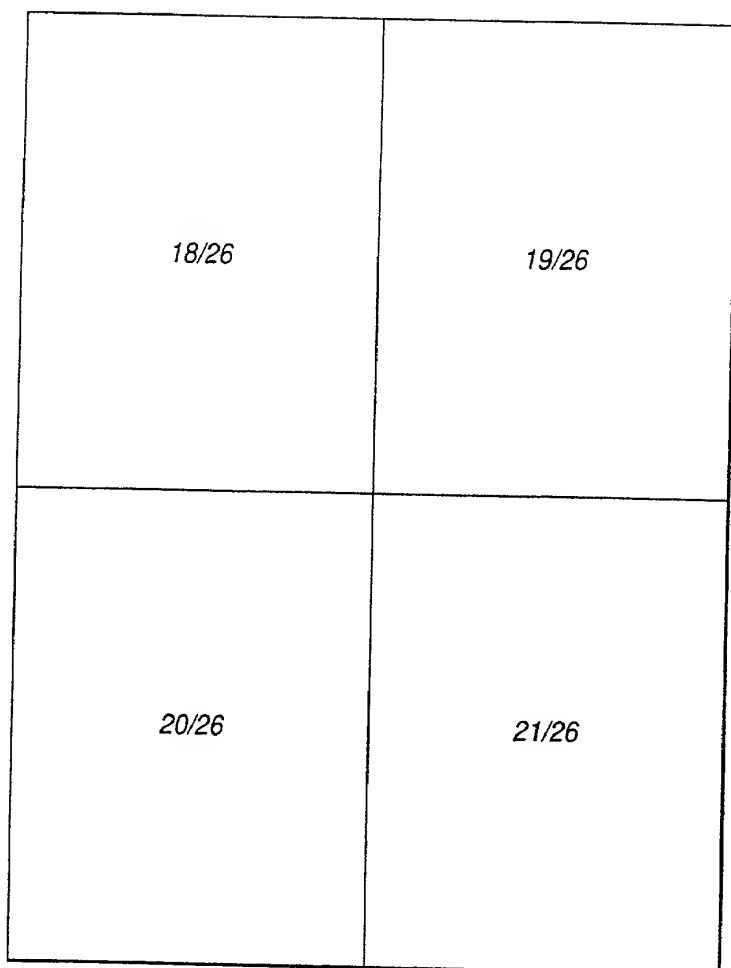


Fig. 9A

18/26

ATG GCG ACC CCA GCC TCG GCC CCA GAC
Met Ala Thr Pro Ala Ser Ala Pro Asp
1 5

TTT GTA GGT TAT AAG CTG AGG CAG AAG
Phe Val Gly Tyr Lys Leu Arg Gln Lys
20 25

CCC GGG GAG GGC CCA GCA GCT GAC CCG
Pro Gly Glu Gly Pro Ala Ala Asp Pro
35 40

GCT GGA GAT GAG TTC GAG ACC CGC TTC
Ala Gly Asp Glu Phe Glu Thr Arg Phe
50 55

GCG GCT CAG CTG CAT GTG ACC CCA GGC
Ala Ala Gln Leu His Val Thr Pro Gly
65 70

CAG GTC TCC GAC GAA CTT TTT CAA GGG
Gln Val Ser Asp Glu Leu Phe Gln Gly
85

GTA GCC TTC TTT CTC TTT GGG GCT GCA
Val Ala Phe Phe Leu Phe Gly Ala Ala
100 105

Fig. 9A (i)

SUBSTITUTE SHEET (RULE 26)

19/26

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| ACA | CGG | GCT | CTG | GTG | GCA | GAC | 48 |
| Thr | Arg | Ala | Leu | Val | Ala | Asp | |
| 10 | | | | | | 15 | |
| GGT | TAT | GTC | TGT | GGA | GCT | GGC | 96 |
| Gly | Tyr | Val | Cys | Gly | Ala | Gly | |
| | | | | 30 | | | |
| CTG | CAC | CAA | GCC | ATG | CGG | GCA | 144 |
| Leu | His | Gln | Ala | Met | Arg | Ala | |
| | | | 45 | | | | |
| CGG | CGC | ACC | TTC | TCT | GAT | CTG | 192 |
| Arg | Arg | Thr | Phe | Ser | Asp | Leu | |
| | | 60 | | | | | |
| TCA | GCC | CAG | CAA | CGC | TTC | ACC | 240 |
| Ser | Ala | Gln | Gln | Arg | Phe | Thr | |
| | 75 | | | | | 80 | |
| GGC | CCC | AAC | TGG | GGC | CGC | CTT | 288 |
| Gly | Pro | Asn | Trp | Gly | Arg | Leu | |
| 90 | | | | | 95 | | |
| CTG | TGT | GCT | GAG | AGT | GTA | AAC | 336 |
| Leu | Cys | Ala | Glu | Ser | Val | Asn | |
| | | | 110 | | | | |

Fig. 9A (ii)

SUBSTITUTE SHEET (RULE 26)

20/26

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| AAG | GAG | ATG | GAA | CCA | CTG | GTG | GGA | CAA | |
| Lys | Glu | Met | Glu | Pro | Leu | Val | Gly | Gln | |
| | | 115 | | | | | | 120 | |
| TAC | CTG | GAG | ACG | CGG | CTG | GTC | GAC | TGG | |
| Tyr | Leu | Glu | Thr | Arg | Leu | Val | Asp | Trp | |
| | | 130 | | | | | | 135 | |
| GCG | GAG | TTC | ACA | GCT | CTA | TAC | GGG | GAC | |
| Ala | Glu | Phe | Thr | Ala | Leu | Tyr | Gly | Asp | |
| | | 145 | | | | | | 150 | |
| CGT | CTG | CGG | GAG | GGG | AAC | TGG | GCA | TCA | |
| Arg | Leu | Arg | Glu | Gly | Asn | Trp | Ala | Ser | |
| | | | | 165 | | | | | |
| GCC | GTG | GCA | CTG | GGG | GCC | CTG | GTA | ACT | |
| Ala | Val | Ala | Leu | Gly | Ala | Leu | Val | Thr | |
| | | | 180 | | | | | 185 | |
| AAG | TGA | A | | | | | | | |
| Lys | * | | | | | | | | |

Fig. 9A (iii)

SUBSTITUTE SHEET (RULE 26)

- 21/26

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| GTG | CAG | GAG | TGG | ATG | GTG | GCC | 384 |
| Val | Gln | Glu | Trp | Met | Val | Ala | |
| | | | 125 | | | | |
| | | | | | | | |
| ATC | CAC | AGC | AGT | GGG | GGC | TGG | 432 |
| Ile | His | Ser | Ser | Gly | Gly | Trp | |
| | | | 140 | | | | |
| | | | | | | | |
| GGG | GCC | CTG | GAG | GAG | GCG | CGG | 480 |
| Gly | Ala | Leu | Glu | Glu | Ala | Arg | |
| | | 155 | | | | 160 | |
| | | | | | | | |
| GTG | AGG | ACA | GTG | CTG | ACG | GGG | 528 |
| Val | Arg | Thr | Val | Leu | Thr | Gly | |
| | | 170 | | | | 175 | |
| | | | | | | | |
| GTA | GGG | GCC | TTT | TTT | GCT | AGC | 576 |
| Val | Gly | Ala | Phe | Phe | Ala | Ser | |
| | | | | 190 | | | |
| | | | | | | | |
| | | | | | | | 583 |

Fig. 9A (iv)

SUBSTITUTE SHEET (RULE 26)

22/26

| | |
|-------|-------|
| 23/26 | 24/26 |
| 25/26 | 26/26 |

Fig. 9B

23/26

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ATG | CCG | ACC | CCA | GCC | TCA | ACC | CCA | GAC |
| Met | Pro | Thr | Pro | Ala | Ser | Thr | Pro | Asp |
| 1 | | | | 5 | | | | |
| | | | | | | | | |
| TTT | GTA | GGC | TAT | AGG | CTG | AGG | CAG | AAG |
| Phe | Val | Gly | Tyr | Arg | Leu | Arg | Gln | Lys |
| | | | 20 | | | | | 25 |
| | | | | | | | | |
| CCT | GGG | GAA | GGC | CCA | GCC | GCC | GAC | CCG |
| Pro | Gly | Glu | Gly | Pro | Ala | Ala | Asp | Pro |
| | | 35 | | | | | 40 | |
| | | | | | | | | |
| GCT | GGA | GAC | GAG | TTT | GAG | ACC | CGT | TTC |
| Ala | Gly | Asp | Glu | Phe | Glu | Thr | Arg | Phe |
| | 50 | | | | | 55 | | |
| | | | | | | | | |
| GCC | GCT | CAG | CTG | CAC | GTG | ACC | CCA | GGC |
| Ala | Ala | Gln | Leu | His | Val | Thr | Pro | Gly |
| 65 | | | | | 70 | | | |
| | | | | | | | | |
| CAG | GTT | TCC | GAC | GAA | CTT | TTC | CAA | GGG |
| Gln | Val | Ser | Asp | Glu | Leu | Phe | Gln | Gly |
| | | | 85 | | | | | |
| | | | | | | | | |
| GTG | GCA | TTC | TTT | GTC | TTT | GGG | GCT | GCC |
| Val | Ala | Phe | Phe | Val | Phe | Gly | Ala | Ala |
| | | | 100 | | | | | 105 |

Fig. 9B (i)

SUBSTITUTE SHEET (RULE 26)

24/26

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| ACA | CGC | GCT | CTA | GTG | GCT | GAC | 48 |
| Thr | Arg | Ala | Leu | Val | Ala | Asp | |
| 10 | | | | | 15 | | |
| GGT | TAT | GTC | TGT | GGA | GCT | GGG | 96 |
| Gly | Tyr | Val | Cys | Gly | Ala | Gly | |
| | | | | 30 | | | |
| CTG | CAC | CAA | GCC | ATG | CGG | GCT | 144 |
| Leu | His | Gln | Ala | Met | Arg | Ala | |
| | | | 45 | | | | |
| CGC | CGC | ACC | TTC | TCT | GAC | CTG | 192 |
| Arg | Arg | Thr | Phe | Ser | Asp | Leu | |
| | | 60 | | | | | |
| TCA | GCC | CAG | CAA | CGC | TTC | ACC | 240 |
| Ser | Ala | Gln | Gln | Arg | Phe | Thr | |
| | 75 | | | | | 80 | |
| GGC | CCT | AAC | TGG | GGC | CGT | CTT | 288 |
| Gly | Pro | Asn | Trp | Gly | Arg | Leu | |
| 90 | | | | | 95 | | |
| CTG | TGT | GCT | GAG | AGT | GTC | AAC | 336 |
| Leu | Cys | Ala | Glu | Ser | Val | Asn | |
| | | | | 110 | | | |

Fig. 9B (ii)

SUBSTITUTE SHEET (RULE 26)

25/26

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| AAA | GAA | ATG | GAG | CCT | TTG | GTG | GGA | CAA |
| Lys | Glu | Met | Glu | Pro | Leu | Val | Gly | Gln |
| | | 115 | | | | | 120 | |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TAC | CTG | GAG | ACA | CGT | CTG | GTC | GAC | TGG |
| Tyr | Leu | Glu | Thr | Arg | Leu | Ala | Asp | Trp |
| | 130 | | | | | 135 | | |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| GCG | GAC | TTC | ACA | GCT | CTA | TAC | GGG | GAC |
| Ala | Asp | Phe | Thr | Ala | Leu | Tyr | Gly | Asp |
| 145 | | | | | 150 | | | |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CGT | CTG | CGG | GAG | GGC | AAC | TGG | GCA | TGA |
| Arg | Leu | Arg | Glu | Gly | Asn | Trp | Ala | * |
| | | | 165 | | | | | |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| GCC | GTG | GCA | CTG | GGG | GCC | CTG | GTA | ACT |
| Ala | Val | Ala | Leu | Gly | Ala | Leu | Val | Thr |
| | | | 180 | | | | | 185 |

| | |
|-----|----|
| AAG | TG |
| Lys | |

Fig. 9B (iii)

SUBSTITUTE SHEET (RULE 26)

26/26

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| GTC | CAG | GAT | TGG | ATC | GTG | GCC | 384 |
| Val | Gln | Asp | Trp | Ile | Val | Ala | |
| | | | 125 | | | | |

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| ATC | CAC | AGC | AGT | GGC | GGC | TGG | 432 |
| Ile | His | Ser | Ser | Gly | Gly | Trp | |
| | | | 140 | | | | |

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| GGG | GCC | CTG | GAG | GAC | GCA | CGG | 480 |
| Gly | Ala | Leu | Glu | Asp | Ala | Arg | |
| | 155 | | | | | 160 | |

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| GTG | AGC | ACA | GTG | GTG | ACG | GGG | 528 |
| Val | Ser | Thr | Val | Val | Thr | Gly | |
| 170 | | | | | | 175 | |

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| GTA | GGG | GCC | TTT | TTT | GCT | AGC | 576 |
| Val | Gly | Ala | Phe | Phe | Ala | Ser | |
| | | | 190 | | | | |

582

Fig. 9B (iv)

SUBSTITUTE SHEET (RULE 26)

| | |
|---|-----|
| atg gcg acc cca gcc tcg gcc cca gac aca cgg gct ctg gtg gca gac | 48 |
| Met Ala Thr Pro Ala Ser Ala Pro Asp Thr Arg Ala Leu Val Ala Asp | |
| 1 5 10 15 | |
| ttt gta ggt tat aag ctg agg cag aag ggt tat gtc tgt gga gct ggc | 96 |
| Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly | |
| 20 25 30 | |
| ccc ggg gag ggc cca gca gct gac ccg ctg cac caa gcc atg cgg gca | 144 |
| Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala | |
| 35 40 45 | |
| gct gga gat gag ttc gag acc cgc ttc cgg cgc acc ttc tct gat ctg | 192 |
| Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu | |
| 50 55 60 | |
| gcg gct cag ctg cat gtg acc cca ggc tca gcc cag caa cgc ttc acc | 240 |
| Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr | |
| 65 70 75 80 | |
| cag gtc tcc gac gaa ctt ttt caa ggg ggc ccc aac tgg ggc cgc ctt | 288 |
| Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu | |
| 85 90 95 | |
| gta gcc ttc ttt gtc ttt ggg gct gca ctg tgt gct gag agt gtc aac | 336 |
| Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn | |
| 100 105 110 | |
| aag gag atg gaa cca ctg gtg gga caa gtg cag gag tgg atg gtg gcc | 384 |
| Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala | |
| 115 120 125 | |
| tac ctg gag acg cgg ctg gct gac tgg atc cac agc agt ggg ggc tgg | 432 |
| Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp | |
| 130 135 140 | |
| gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gcg cgg | 480 |
| Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg | |
| 145 150 155 160 | |
| cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg | 528 |
| Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly | |
| 165 170 175 | |
| gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc | 576 |
| Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser | |
| 180 185 190 | |
| aag tgaa | 583 |
| Lys | |

Figure 9A

| | |
|---|-----|
| atg gcg acc cca gcc tca acc cca gac aca cgg gct cta gtg gct gac | 48 |
| Met Ala Thr Pro Ala Ser Thr Pro Asp Thr Arg Ala Leu Val Ala Asp | |
| 1 5 10 15 | |
| ttt gta ggc tat agg ctg agg cag aag ggt tat gtc tgt gga gct ggc | 96 |
| Phe Val Gly Tyr Arg Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly | |
| 20 25 30 | |
| cct ggg gaa ggc cca gcc gcc gac ccg ctg cac caa gcc atg cgg gct | 144 |
| Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala | |
| 35 40 45 | |
| gct gga gac gag ttt gag acc cgt ttc cgc cgc acc ttc tct gac ctg | 192 |
| Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu | |
| 50 55 60 | |
| gcc gct cag cta cac gtg acc cca ggc tca gcc cag caa cgc ttc acc | 240 |
| Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr | |
| 65 70 75 80 | |
| cag gtt tcc gac gaa ctt ttc caa ggg ggc cct aac tgg ggc cgt ctt | 288 |
| Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu | |
| 85 90 95 | |
| gtg gca ttc ttt gtc ttt ggg gct gcc ctg tgt gct gag agt gtc aac | 336 |
| Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn | |
| 100 105 110 | |
| aaa gaa atg gag cct ttg gtg gga caa gtg cag gat tgg atg gtg gcc | 384 |
| Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Met Val Ala | |
| 115 120 125 | |
| tac ctg gag aca cgt ctg gct gac tgg atc cac agc agt ggc ggc tgg | 432 |
| Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp | |
| 130 135 140 | |
| gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gca cgg | 480 |
| Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg | |
| 145 150 155 160 | |
| cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg | 528 |
| Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly | |
| 165 170 175 | |
| gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc | 576 |
| Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser | |
| 180 185 190 | |
| aag tga | 582 |
| Lys | |

Figure 9B

| | | | | | | | | |
|----------|------------|------------|------------|------------|------------|------------|-------------|----------------|
| | A | S1 | | | | | | |
| Bclw | MATPAST | DT | KALVADFVG | Y | KLRQKGY | VCG | AGPGEGPAAD | PLHQAMRAAG 5 0 |
| Bclw-Rox | MATPAST | DT | KALVADFVG | Y | KLRQKGY | VCG | AGPGEGPAAD | PLHQAMRAAG 5 0 |
| | | | | | | | | |
| | | | | | | | S2 | |
| Bclw | DEFETRFRRT | FSDLAAQLHV | TPGSAQQ | RFT | QVSDELFQGG | PNWGRLVAFF | | 1 0 0 |
| Bclw-Rox | DEFETRFRRT | FSDLAAQLHV | TPGSAQQ | RFT | QVSDELFQGG | PNWGRLVAFF | | 1 0 0 |
| | | | | | | | | |
| | | | E | | | | S3 | |
| Bclw | VFGA | ALCAES | VNKEMEPLVG | QVQDWMVAYL | ETRLAD | WIHS | SGGWAEFTAL | 1 5 0 |
| Bclw-Rox | VFGA | ALCAES | VNKEMEPLVG | QVQDWMVAYL | ETRLAD | WIHS | SGGWAELEAIK | 1 5 0 |
| | | | | | | | | |
| Bclw | YCD | DGALEEAR | RLREGNWASV | RTVLTGAVAL | GALVTVGAF | ASK* | | 1 9 3 |
| Bclw-Rox | ARVREMEEEA | EKLKELQNEV | EKQMNMSPPP | GNAGPVIMSL | EEKMEADARS | | | 2 0 0 |
| | | | | | | | | |
| Bclw-Rox | IYVGNVDYGA | TAELEAHFH | GCGSVNRVTI | LCDKFSGHPK | GFAYIEFSDK | | | 2 5 0 |
| | | | | | | | | |
| Bclw-Rox | ESVRTSLALD | ESLFRGRQIK | VIPKRTNRPG | ISTTDRGFPR | SRYRARTTNY | | | 3 0 0 |
| | | | | | | | | |
| Bclw-Rox | NSSRSRFYSG | FNSRPRGRIY | RGRARATSWY | SPY* | | | | 3 3 3 |

FIGURE 1

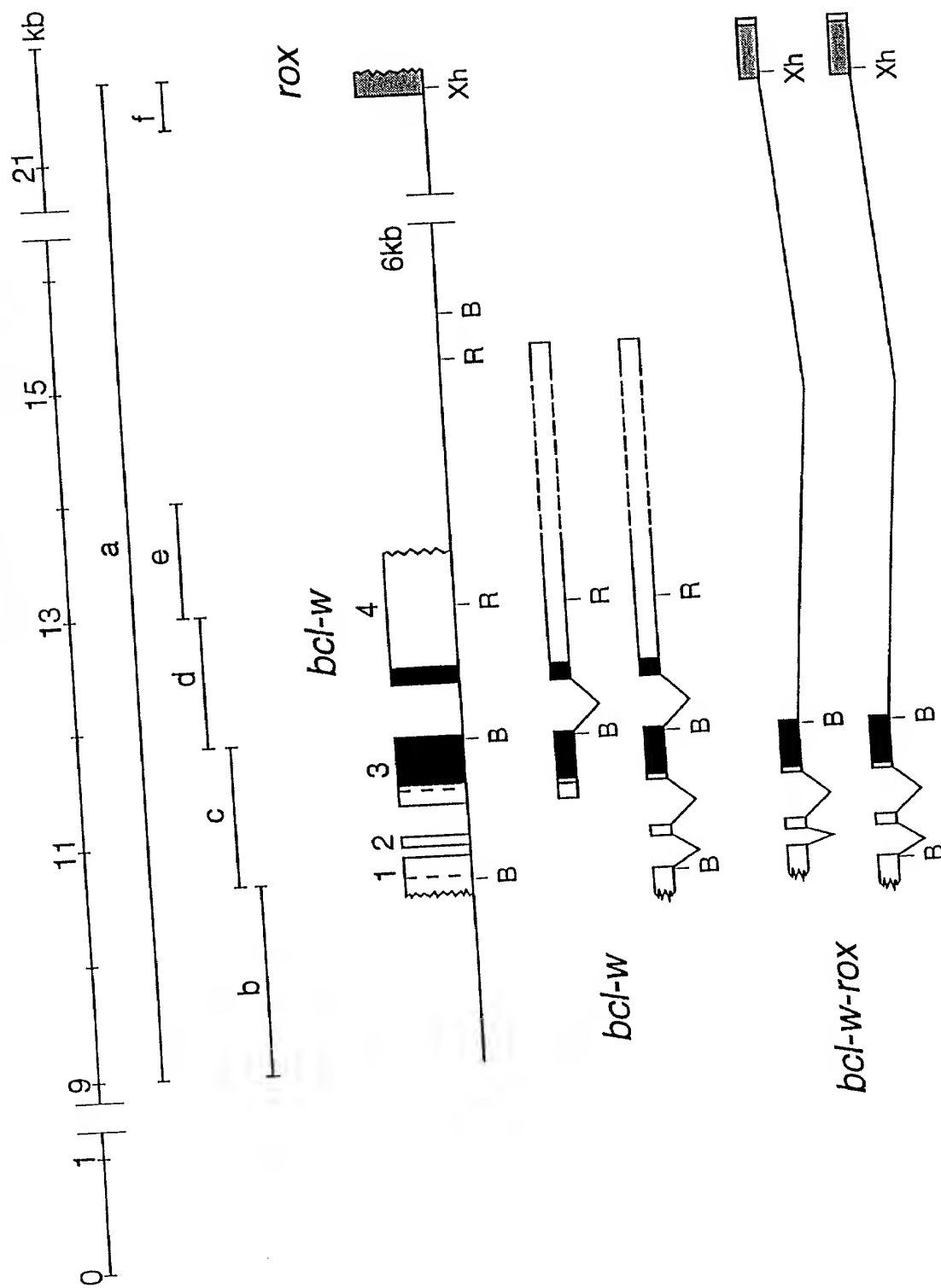


FIGURE 2

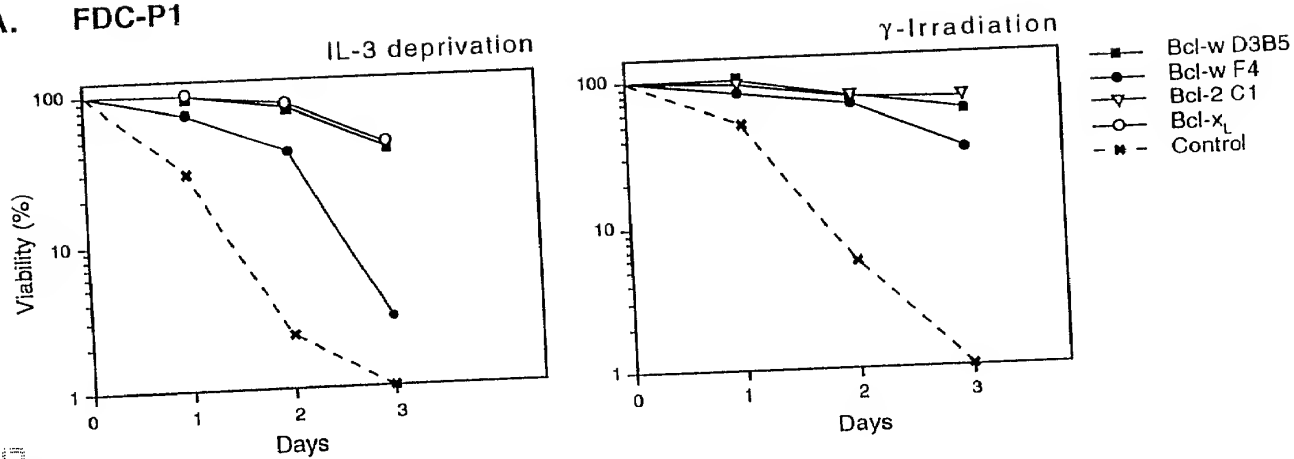
3.7
↓

J774
P388D1
RAW 309Cr
RAW 264.7
3MES/RAF
LYH7
BAF3
W274
W265
W3BD⁻
FDC-P1
FD/Bcl-2
416B
W112.1
W105.7
EL4.1
YAC1
W404.1
ABL8.1

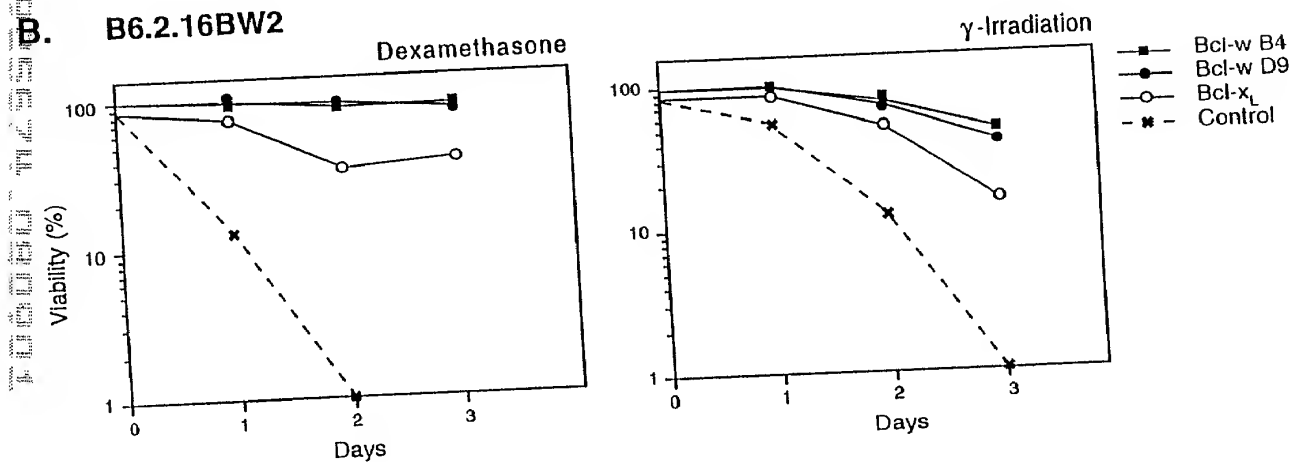
mb
myeloid
T
B

FIGURE 3

A. FDC-P1



B. B6.2.16BW2



C. CH1

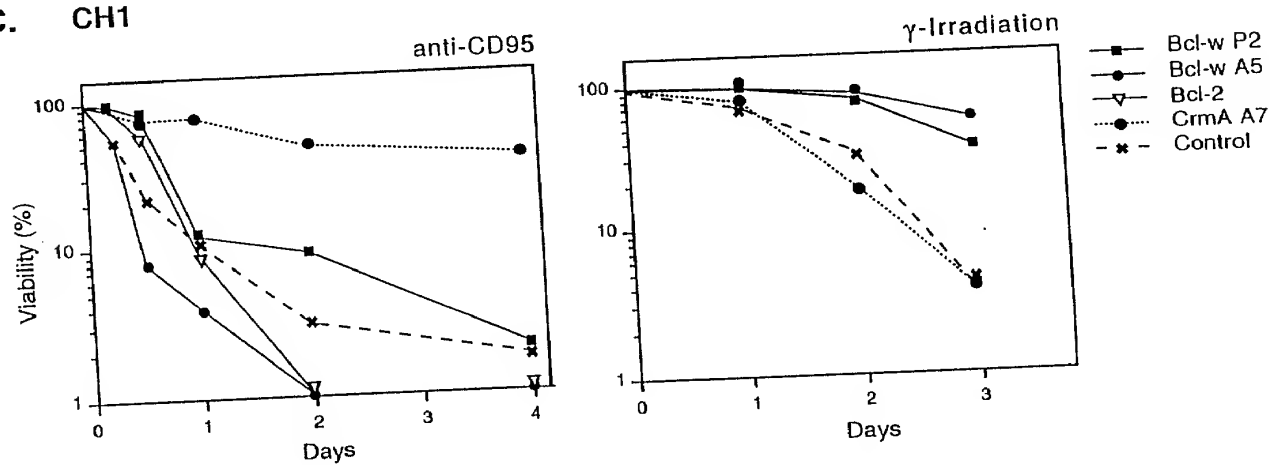


FIGURE 5

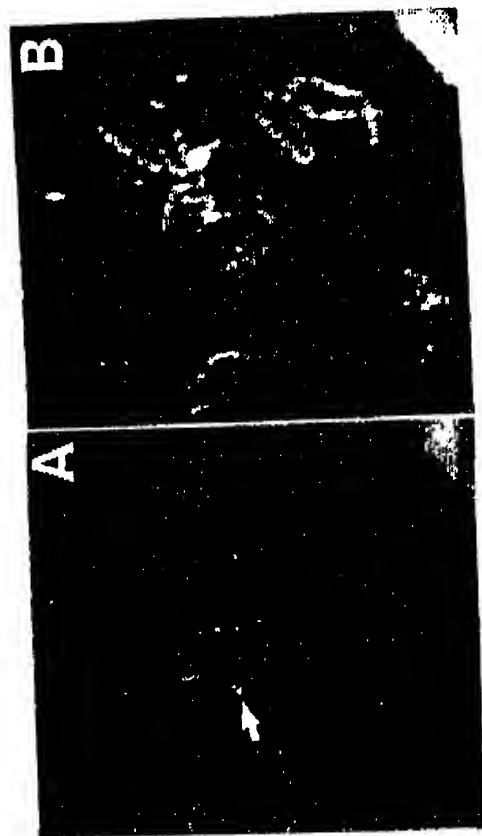


FIGURE 7

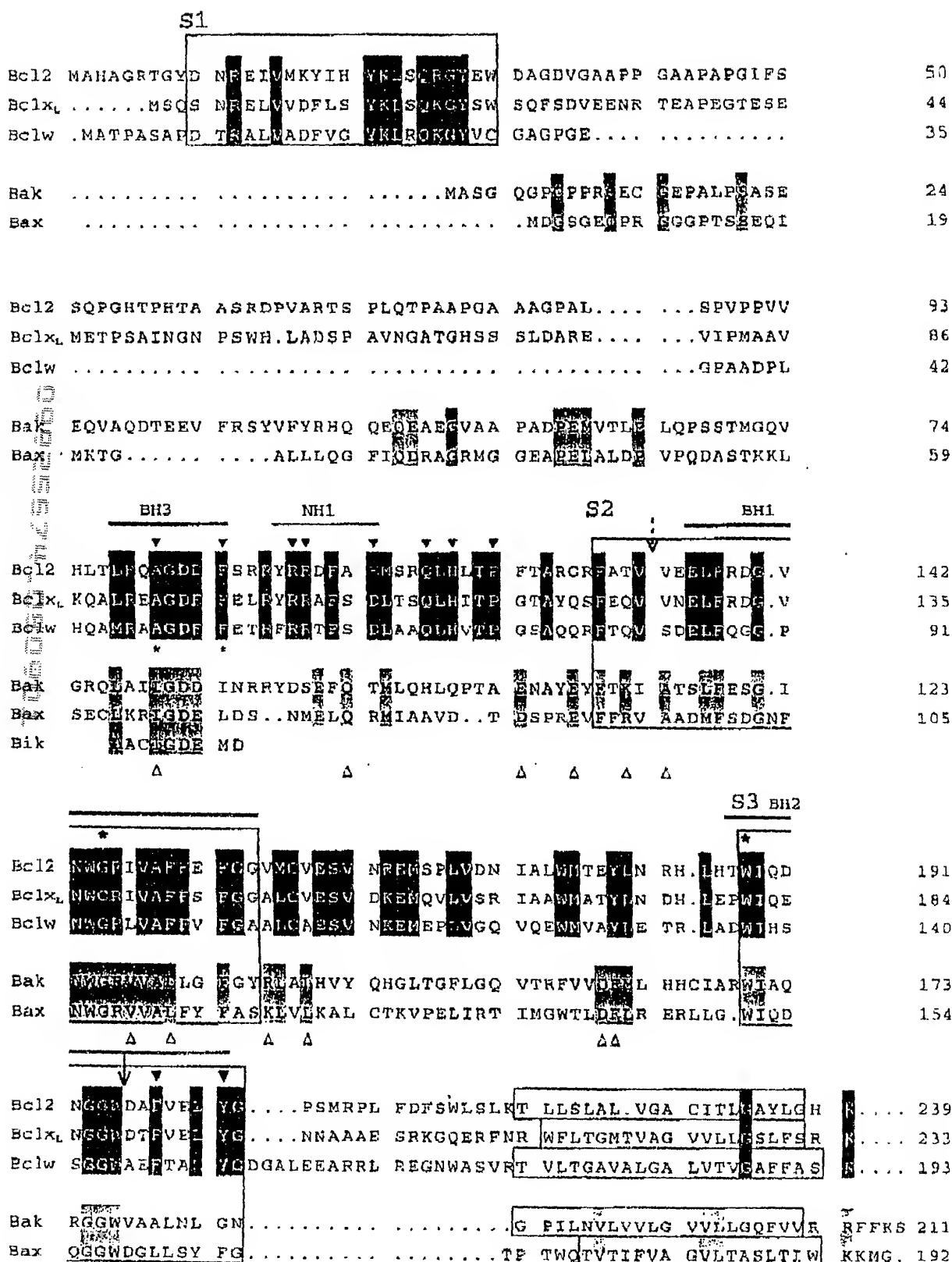


FIGURE 8

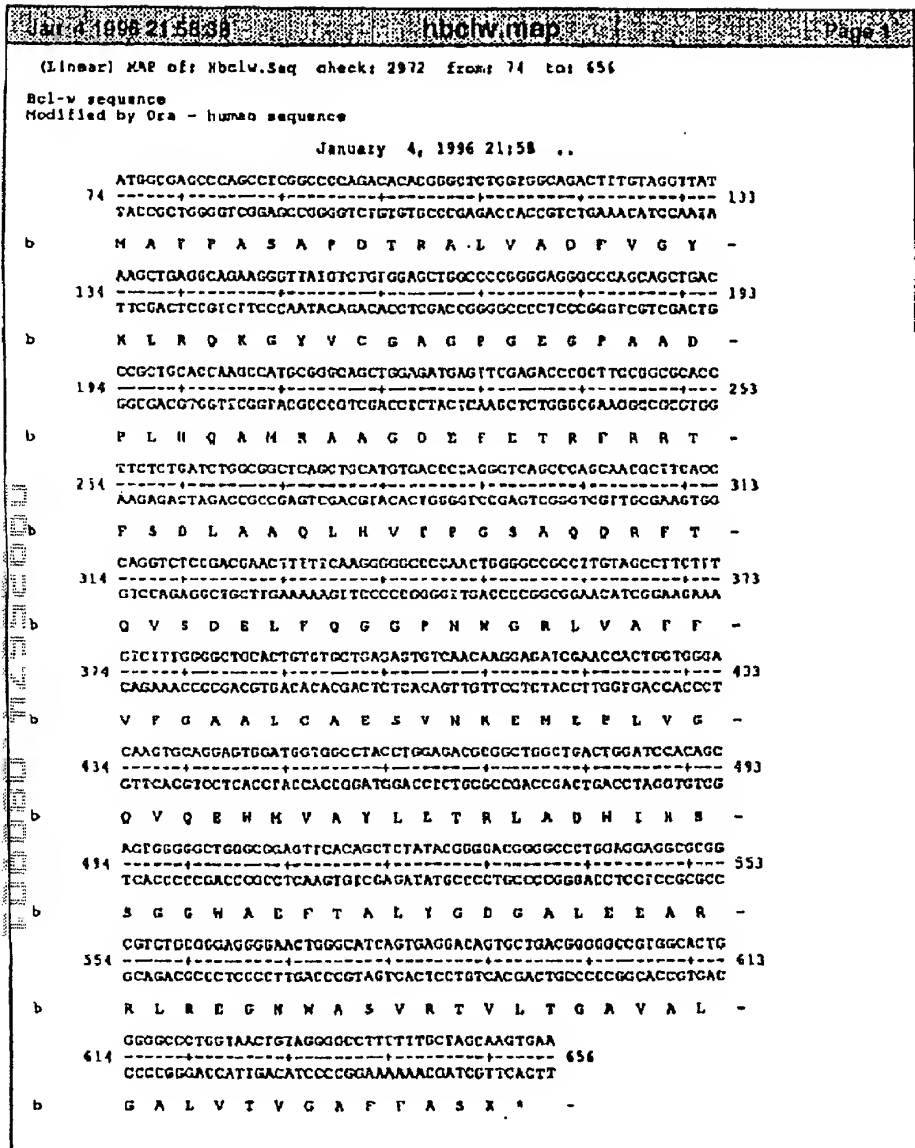


FIGURE 9A

Feb 13 1996 17:28:01

mbclw.mbp

Page 1

(Linear) MAP of: Mbclw.Seq check: 378 from: 227 to: 808

Sequence of 3CLGA (Green) clones from BaP3 library

February 13, 1996 17:28 ..

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227 ATGGGACCCAGGCTCAACCCAGACACACCGGCTCTAGTGGCTGACTTTGTAGGCTAT 286
TACGGCTGGGTTGGAGTTGGGTCIGTGTGCCGAGATCAGCGACTGAAACATCCGATA
b M A T P A S T P D T R A L V A D F V G Y -
287 AAGCTGAGGCGAGGCTTATGTCTGTGGAGCTGCCCCGCGGAAGGCCAGCGCCGAC 346
TTCGACTCGGTCTTCCCAATACAGACACGTCGACCGGACCCCTTCGCGTCSGCGCTG
b K L R Q K G Y V C G A Q P G E G P A A D -
347 CCGCTGACCAAGCCATGCGGGTGGTGGAGACGAGTTGAGACCCGTTTCCCGCCACC 406
GSCGAGCTGGTTCGGTACGCCGACGACCTCTGCTCAAACTCTGGGCAAAAGGCGCTGG
b P L K Q A M R A A G D E F E T A F R R T -
407 TICTCTGACCTGGCGCTCAGGTACAGTGACCCGAGGCTCAGCCGACCAAGCTTCAGC 466
AAGAGACTGGATCGGCGAGTGGATGTGCACGCGGGTCCGAGTGGGCTCGTTCCGAGCTG
b F S D L A A Q L N V T P G S A Q Q R F T -
467 CAGGTTCGGAACCACTTTTCAAGGGGCGCTTAAGTGGGCGGCTGTGTGCGATTCGTT 526
CTCCAAAGGCTGCTTGAAGAGGTTCGCGCGGATGACCCGCGCAGAACACCGTAAGAA
b Q V S D E L F Q G G P N W C R L V A P F -
527 GTCITGGGCTGCCCCGTG1G1GCTGAGAGTGTCACAAAGAAAGGAGCCITIGTGGA 586
CAGAAACCCGACGGGACACACGACTTTCACAGTGTGTTCTTACCTCGAAACACCCCT
b V F G A A L C A E S V N K E H E P L V G -
387 CAAGTGCAGGATTGGATG1GGCTTACCTGGAGACAGCTCTGGCTGACTGGATCCACAGC 646
GTTCACTGCTTAACTACACCGGATGGAGCTCTGTGACAGACGACTGACCTAGGTGTG
b Q V C D W H V A Y L E T R L A D N I N B -
647 AGTGGGGGCTGGGCGAGTTCACACCTTATACGGGACGGGGCCCTGGAGGACGACGG 706
TCAGCCCTGAGCCGCCCAAGTGTGAGAGATGCCCCCTGCCCCGGGACCTCCCTGCTG
b S G G H A E F T A L Y G D G A L E L A R -
707 CGTCTGGGAGGCGGAAGTGGGATCAGTGGAGACAGTGTGACGGGGGCCCCGCACTG 766
GCAGAGGCCCTCCCTTGACCCGAGTCACTCTGTACGACTGCCCCGGGACCTGTGAC
b R L R E G N H A S V R T V L T G A V A L -
167 GCGGCCCCGTAACTGTAGGGGCTTTTGTGAGCAAGTGA 808
CCCGGGGACCAATGACATCCCGGAAAGAGATCGTTCACT
b G A L V I V G A P P A S K A -
```

FIGURE 9B